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Correlated Signals of Free Induction Decay in CdSe-CdS Nanostructures under Two- and Three-Photon Excitation by Crossed Femtosecond Laser Beams

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. The possibility and conditions of a generation of the correlated free induction decay signals in CdSe-CdS nanostructures under two- and three-photon excitation by crossed femtosecond beams of the Ti:sapphire laser radiation are considered. It is shown that these correlated signals will be emitted in two opposite directions. The information contained in the temporal shapes and wavefronts of these signals will be correlated.

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